Sears

OWNERS MANUAL

MODEL NO.

934.36390600

KNOW YOUR UNIT

Read this booklet so that you will be able to enjoy all the features of your PROGRAMMABLE SCANNING MONITOR.

If after installing the Programmable Scaning Monitor, if doesn't operate properly, recheck your installation procedures and if there is still a problem, see chart on page 10.

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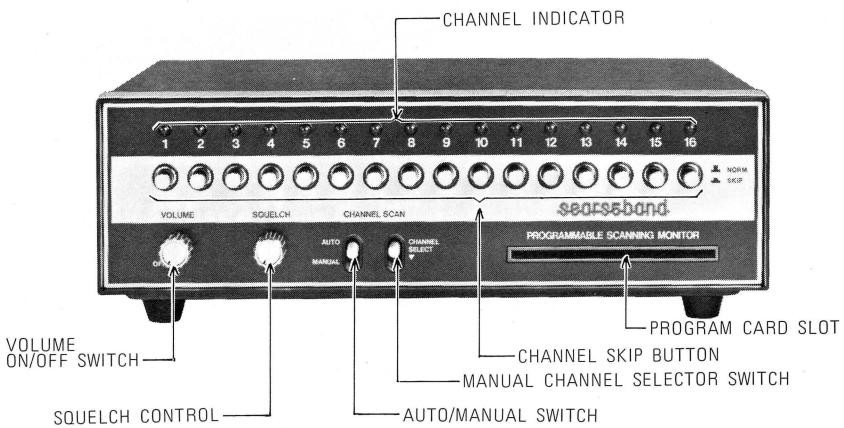
SEARS PROGRAMMABLE SCANNING MONITOR

For future reference list the serial number found on the back pannel here_____.

Sears, Roebuck and Co., Sears Tower, Chicago, ILL. 60684 U.S.A.

WARNING : TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

EXPLANATION OF FEATURES AND CONTROLS



VOLUME ON/OFF SWITCH

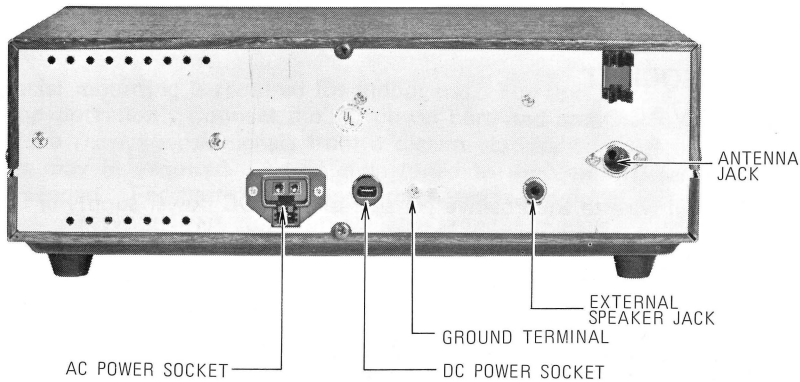
Turn clockwise to apply power to the unit and then adjust for desired sound level.

SQUELCH CONTROL

This control cuts off or eliminates annoying background noise in the absence of an incoming signal. Turn fully counterclockwise then slowly clockwise until the scanning monitor noise disappears. Any signal to be received must now be slightly stronger than the average received noise. Further clockwise rotation will increase the threshold level which a signal must overcome in order to be heard. Only strong signals will be heard at a maximum clockwise setting.

CHANNEL INDICATOR LIGHTS

The indicator lights (light emitting diodes) show which channel is "on" at any particular instant. During automatic scan operation, these lights will flash in sequence from left to right until a signal is received on one of the channels.



PROGRAM CARD SLOT

Insert your program card into this slot. For programming desirable frequencies on the program card refer to "Program Card Programming" in the other booklet provided and titled as "CODE BOOK".

CHANNEL SKIP BUTTONS

These skip buttons are provided to turn each individual channel on or off. When a button is set to the off position (button in), the corresponding channel is skipped (by-passed) and will not flash or receive signals in either the manual or automatic scanning mode.

AUTO/MANUAL SWITCH

Auto: Set the Auto/Manual switch to the AUTO position for automatic scanning. In addition, the receiver must be squelched ON. To squelch ON the unit, turn the Squelch control until all the "noise" from the speaker is eliminated and scanning action is obtained.

Manual: Activate the channel you want to monitor and then set the Auto/Manual switch to the MANUAL position for manual selection of the channel to be monitored.

ANTENNA JACK

The antenna jack may be used to connect the VHF-UHF telescoping antenna provided, or for increased listening range, outdoor-type antennas are available from your Sears store.

Your choice of antenna type should be determined by location and service conditions under which the equipment will be used. Various types of antennas are available (optional). See Sears' display.

Note: When installing the antenna, be sure to recheck all fittings and connectors for proper assebmly to avoid shorts or open circuits.

EXTERNAL SPEAKER JACK

You can connect an external speaker (8 ohm) to this jack for remote listening (Built-in speaker is then disconnected automatically).

AC POWER SOCKET

Can accept 120V AC.

DC POWER SOCKET

Connect the Red wire to the Positive (+) side of 12V DC power supply or battery and the Black wire to the Negative (–) side. Before attempting this, be sure to read "Installation" instructions.

OPERATION

1. Set all CHANNEL SKIP BUTTONS to on position (button out).
2. Turn SQUELCH CONTROL fully counterclockwise.
3. Turn power "on" by rotating VOLUME ON/OFF SWITCH clockwise.
4. While no signal is being received, adjust SQUELCH CONTROL clockwise until the rushing background noise stops. Do not turn SQUELCH CONTROL any further clockwise than the point required to stop the background noise. To do so will decrease the receiver's signal pick-up sensitivity. After SQUELCH CONTROL is adjusted properly, the receiver will now scan and operate normally in the manual or the automatic mode.
5. SCANNING MANUAL: Check to see that AUTO/MANUAL SWITCH is down Then select the channel desired by pressing MANUAL CHANNEL SELECTOR SWITCH momentarily one or more times until the desired channel is obtained. A CHANNEL INDICATOR LIGHT will indicate the channel that has been activated.

   AUTO: Check to see that AUTO/MANUAL SWITCH is up. The receiver will automatically switch to each channel in sequence. Scanning will continue until an activated channel is received. The receiver will not scan if the squelch is decreased to the point where noise is present.

   To advance from a channel that is being received the CHANNEL SKIP BUTTON must be pushed in. This Button must then be reset to the "NORMAL" position to avoid skip.

If it is desired to by-pass one or more channels in the scanning sequence, CHANNEL SKIP BUTTONS for the undesired channels should be set in the off position (button in). This feature is useful when one of the channels being received is from a continuous transmission type station such as the national weather service. CHANNEL INDICATOR LIGHT only shows on the channels where the CHANNEL SKIP BUTTON has been set in the "NORMAL" position.

INSTALLATION

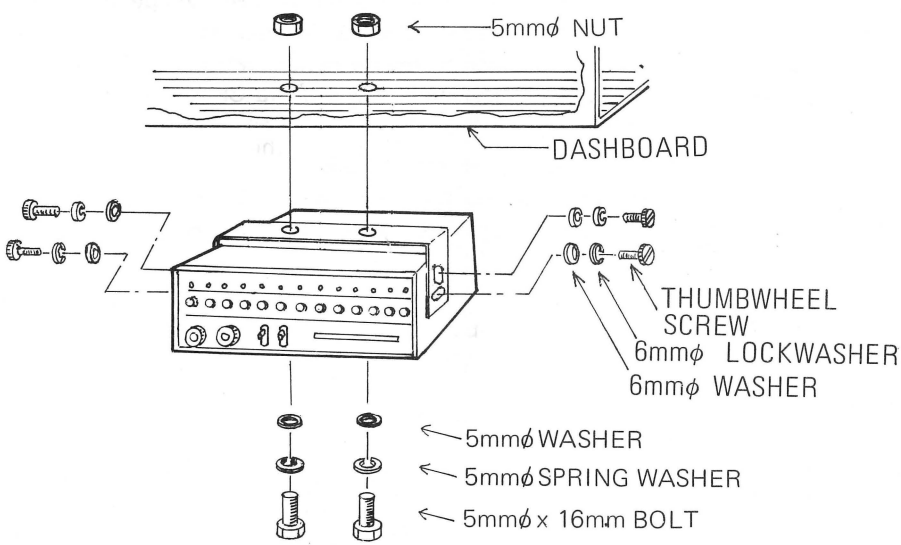
HOME INSTALLATION

No special mounting is required for indoor use. The unit is designed for shelf or table-top operation. Connect the AC power cord and antenna to the appropriate jacks. To receive weak signals from a distant station, an outdoor-type external antenna may be required. An antenna tuned to the desired frequency bands is recommended. For best performance, the antenna should be mounted as high as practical. See your Sears store for available antenna models. If remote or private listening is desired, an external speaker of 8 ohms impedance or earphone may be plugged into the "EXT SP" jack located on the rear panel of the unit.

MOBILE INSTALLATION

Mounting

You can install this unit in any location where 12 volts negative ground DC power is available. Select a suitable location considering appearance and convenience of operation. The location of the unit should not interfere with proper and safe operation of your car. The holes in the bracket are used for mounting to the bottom side of the dashboard. Using the mounting bracket as a guide, drill two holes on the underside of the dashboard.



Avoid drilling in areas near wiring or other obstructions. Use Bolt and Nut to fasten bracket to dashboard. Mount the unit to the bracket with four thumbwheel screws.

POWER CONNECTION FOR NEGATIVE GROUND VEHICLES

Vehicle with negative ground will have the negative (−) terminal connected directly to the frame or chassis of the vehicle.

Vehicles with positive ground will have the positive (+) terminal connected directly to the frame of chassis of the vehicle.

DO NOT USE WITH POSITIVE GROUND SYSTEM.

Connect the Red wire (with in-line fuse holder) to the Accessory terminal on the ignition switch of your vehicle. Make a good mechanical and electrical connection to the frame of the vehicle for the Black (negative) wire.

IGNITION INTERFERENCE

The ignition system of automobiles may create noise that will interfere with the operation of the unit. Noise filters (optional) are available to eliminate this type of interference.

ANTENNA COUPLING HARNESS

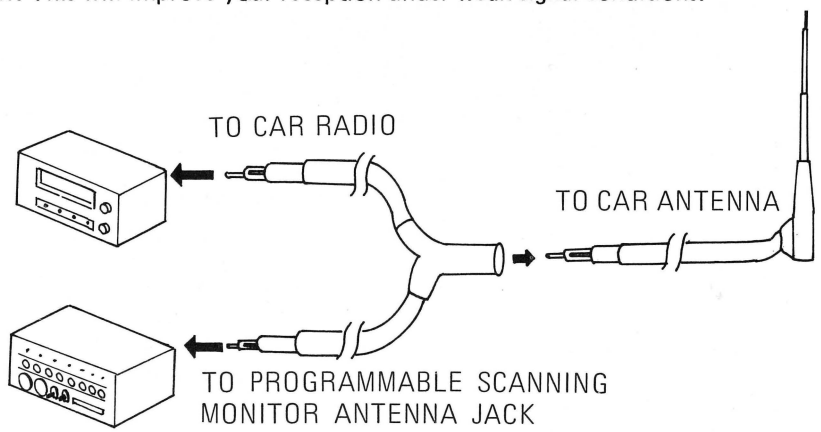
The antenna coupling harness is intended for use with your automobile antenna. When it is installed, the necessity of changing over the antenna plug from the car radio to the Programmable Scanning Monitor is eliminated.

Connecting the Antenna Harness:

Insert the plug of the sutomobile antenna into the jack of the antenna coupling harness. Then insert one cable marked as "AM/FM RADIO" when comes from the coupling harness into the antenna jack of the car radio and the other cable marked as "SCANNER" into the antenna jack of the Programmable Scanning Monitor.

Note:

If, when using the antenna coupling harness, reception is not satisfactory we suggest that you purchase a separate antenna for use with your Programmable Scanning Monitor. This will improve your reception under weak signal conditions.



OFFICIAL NATIONAL TEN CODE SIGNALS

THE LAW concerning possession and use of monitor receivers is embodied in Federal regulations based on Section 605 of the Communications Act of 1934.
This FCC regulation does not prohibit listening to Public Service Band frequencies.

It does prohibit persons from making use of information heard on Public Service Bands, for private gain.
Some State laws prohibit the use of mobile monitors except by authorized vehicles.

OFFICIAL NATIONAL TEN CODE SIGNALS

10-0 Caution
10-1 Unable to copy-change location
10-2 Signals good
10-3 Stop transmitting
10-4 Acknowledgement
10-5 Relay
10-6 Busy-stand by unless urgent
10-7 Out of service (Give location and or telephone number)
10-8 In service
10-9 Repeat
10-10 Fight in progress
10-11 Dog case
10-12 Stand by (Stop)
10-13 Weather and road report
10-14 Report of prowler
10-15 Civil disturbance
10-16 Domestic trouble
10-17 Meet complainant
10-18 Complete assignment quickly
10-19 Return to ....
10-20 Location
10-21 Call ... by telephone
10-22 Disregard
10-23 Arrived at scene
10-24 Assignment completed
10-25 Report in person to (Meet)
10-26 Detaining subject expedite
10-27 Drivers license information
10-28 Vehicle registration information
10-29 Check records for wanted
10-30 Illegal use of radio
10-31 Crime in progress
10-32 Man with gun
10-33 Emergency
10-34 Riot
10-35 Major crime alert
10-36 Correct time
10-37 Investigate suspicious vehicle
10-38 Stopping suspicious vehicle (Give station complete description before stopping).
10-39 Urgent-use light and siren
10-40 Silent run no light or siren
10-41 Beginning tour of duty
10-42 Ending tour of duty
10-43 Information
10-44 Request permission to leave patrol for ...
10-45 Animal carcass in ... lane at
10-46 Assist motorist
10-47 Emergency road repairs needed
10-48 Traffic standard needs repairs
10-49 Traffic light out
10-50 Accidient-F.P1.PD
10-51 Wrecker needed
10-52 Ambulance needed
10-53 Road blocked
10-54 Livestock on highway
10-55 Intoxicated pedestrian
10-57 Hit and run-F. Pl. PD
10-58 Direct traffic
10-59 Convey or escort
10-60 Squad in vicinity
10-61 Personnel in area
10-62 Reply to message
10-63 Prepare to make written copy
10-64 Message for local delivery
10-65 Net message assignment
10-66 Message cancellation
10-67 Clear to read net message
10-68 Dispatch information
10-69 Message received
10-70 Fire alarm
10-71 Advise nature of fire (Size type and contents of building)
10-72 Report progress on fire
10-73 Smoke report
10-74 Negative
10-75 In contact with
10-76 En Route
10-77 ETA (Estimated Time of Arrival)
10-78 Need assistance
10-79 Notify coroner
10-80 Chase in progress
10-81 Breathalyzer report
10-82 Reserve lodging
10-83 Work school xing at...

10-84	If meeting... advise ETA
10-85	Delayed due to...
10-86	Officer operator on duty
10-87	Pick up checks for distribution
10-88	Advise present telephone number of...
10-89	Bomb threat
10-90	Bank alarm at...
10-91	Pick up prisoner subject
10-92	Improperly parked vehicle
10-93	Blockade
10-94	Drag racing
10-95	Prisoner subject in custody
10-96	Mental subject in custody
10-97	Check (Test) signal
10-98	Prison or jail break
10-99	Records indicate wanted or stolen

GENERAL DIRECTIONS

The SEARS Programmable Scanning Monitor should be installed where the ventilation is adequate. Should it be mounted elsewhere, care shoul be taken to avoid areas of excessive herat which may damage components. For optimum performance of your equipment, install and handle with care as instructed. The finest equipment will not perform efficiently if installed and operated improperly.

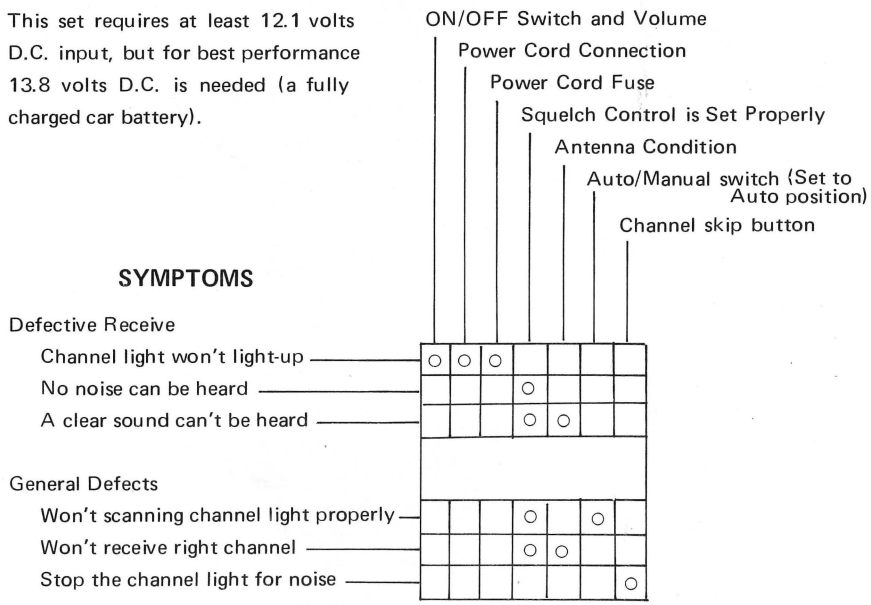
Avoid leaving Program Cards under direct sunlight such as dashboad or seat.

Note: Pages 8-9 are the schematic, available in a separate hi-res scan here.

SYMPTOMS AND SOLUTIONS

Before returning set for a malfunction be sure to check this chart for solutions check.

This set requires at least 12.1 volts D.C. input, but for best performance 13.8 volts D.C. is needed (a fully charged car battery).



SPECIFICATIONS

Frequency Ranges	VHF LOW : 30.000 – 50.000 MHz VHF HIGH : 150.000 – 170.000 MHz UHF : 450.000 – 469.995 MHz UHF : 470.000 – 489.995 MHz UHF : 490.000 – 510.000 MHz
Sensitivity	VHF : 0.5μV for 10 dB S + N/N UHF : 0.8μV for 10 dB S + N/N
Sequelch Sensitivity	VHF : 0.6μV UHF : 0.8μV
Selectivity	45 dB (± 25 KHz)
IF Frequency	1st IF : 10.695 MHz 2nd IF : 455 KHz
Modulation Band width	± 7 KHz
Audio Output	1.5W (THD 10%) 2W (Maximum)
Speaker	3-1/8″ (8 cm), 8 ohm
Antenna impedance	50 ohm (Antenna jack)
Power Requirement	AC : 120V, 60 Hz DC : 13.8V negative ground
Dimensions	11-7/16″ (W) x 3-11/32″ (H) x 9-1/16″ (D) (8.5 x 29.0 x 23.0 cm)
Weight	10 lbs 7 oz (4.7 kg)

These specifications are average values and not necessarily measureable.

WARRANTY

FULL ONE YEAR WARRANTY ON PROGRAMMABLE SCANNING MONITOR

For one year from the date of purchase, Sears will repair any defect in material or workmanship in the Programmable Scanning Monitor, free of charge.

To obtain warranty service, simply return the Programmable Scanning Monitor to the nearest Sears store or Service Center throughout the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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